

Agenda and General Information

Joint IEEE P802.3cn / IEEE P802.3ct Task Force Meeting

John D'Ambrosia,
Chair, IEEE P802.3cn Task Force
Chair, IEEE P802.3ct Task Force
Futurewei, U.S. Subsidiary of Huawei
IEEE 802.3 Sept 2019 Interim
Indianapolis, IN, USA

Joint Task Force Agenda

- Welcome / Introductions
- Approval of Agenda
- Approval Minutes – 1) July 2019 Joint TF Meeting; 2) 8/29 Joint TF Interim Teleconference Meeting
- IEEE 802 Participation
- IEEE P802.3cn Task Force Information
- IEEE P802.3ct Task Force Information
- Attendance
- Patent Policy
- Ground Rules
- The Role of the Chair
- IEEE – Structure / Bylaws and Rules / IEEE 802.3 Standards Process
- Goals for the Week
- IEEE P802.3cn D3.1 SA Recirculation Ballot Summary
- Liaisons & Communications
- IEEE P802.3cn Comment Consideration – D3.1
- IEEE P802.3ct Presentations / Discussion / Strawpolls
- Motions
- Closing Business
- Future Meetings

Minutes Approval

- Approval Minutes –

1. July 2019 -

http://www.ieee802.org/3/ct/public/19_07/minutes_3cnct_01a_0719_unapproved.pdf

2. 8/29 Joint TF Interim Teleconference Meeting -

http://www.ieee802.org/3/ct/public/tf_interim/19_0829/minutes_3cnct_190829_unapproved.pdf

Participation in IEEE 802 Meetings

Participation in any IEEE 802 meeting (Sponsor, Sponsor subgroup, Working Group, Working Group subgroup, etc.) is on an individual basis

- **Participants in the IEEE standards development individual process shall act based on their qualifications and experience. (https://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf section 5.2.1)**
- **IEEE 802 Working Group membership is by individual; “Working Group members shall participate in the consensus process in a manner consistent with their professional expert opinion as individuals, and not as organizational representatives”. (subclause 4.2.1 “Establishment”, of the IEEE 802 LMSC Working Group Policies and Procedures)**
- **Participants have an obligation to act and vote as an individual and not under the direction of any other individual or group. A Participant’s obligation to act and vote as an individual applies in all cases, regardless of any external commitments, agreements, contracts, or orders.**
- **Participants shall not direct the actions or votes of any other member of an IEEE 802 Working Group or retaliate against any other member for their actions or votes within IEEE 802 Working Group meetings, see https://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf section 5.2.1.3 and the IEEE 802 LMSC Working Group Policies and Procedures, subclause 3.4.1 “Chair”, list item x.**

By participating in IEEE 802 meetings, you accept these requirements. If you do not agree to these policies then you shall not participate.

(Latest revision of IEEE 802 LMSC Working Group Policies and Procedures: <http://www.ieee802.org/devdocs.shtml>)

IEEE 802 Executive Committee

Task Force Decorum



- An officer is permitted to make an audio or slideshow recording of this meeting exclusively for the purpose of generating minutes which shall not be copied or distributed. IEEE 802.3 meetings do not use this option. Recording of the proceedings by any other participant or observer, in part or in whole, via any means, is prohibited. (Jan 2019 IEEE-SA Standards Board Ops Manual 5.3.3.2)
- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (Jan 2019 IEEE-SA Standards Board Ops Manual 5.3.3.3)
- Cell phone ringers off
- Wear your badges at all times in meeting areas
 - Help the hotel security staff improve the general security of the meeting rooms
 - PCs HAVE BEEN STOLEN at previous meetings
 - DO NOT assume that meeting areas are secure
- Please observe proper decorum in meetings

IEEE P802.3cn Task Force Project information

- Task Force Organization
 - John D'Ambrosia, Chair, IEEE P802.3cn Task Force
 - Editorial Team
 - Pete Anslow – Chief Editor
 - Peter Stassar – 40km Optical PHY Clauses
 - Task force web and reflector information
 - Reflector: <http://www.ieee802.org/3/cn/reflector.html>
 - Home page: <http://www.ieee802.org/3/cn/index.html>
 - Project Documentation –
 - PAR : <https://development.standards.ieee.org/get-file/P802.3cn.pdf?t=99813600003>
 - CSD: <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0248-00-ACSD-p802-3cn.pdf>
 - Objectives: <http://www.ieee802.org/3/cn/proj doc/3cn Objectives 190212.pdf>
 - Timeline <http://www.ieee802.org/3/cn/proj doc/timeline 3cn 190119.pdf>
- Ad Hoc page <http://www.ieee802.org/3/cn/public/adhoc/index.html>
- Private Area <http://www.ieee802.org/3/cn/private/index.html>

IEEE P802.3ct Task Force Project information

- Task Force Organization
 - John D'Ambrosia, Chair, IEEE P802.3cn Task Force
 - Editorial Team
 - Tom Issenhuth – Chief Editor, 400 GbE Optical PHY Clause
 - Pete Anslow – Supporting Clauses
 - Peter Stassar – 100 GbE Optical PHY Clause
 - Steve Trowbridge - 100 GbE PCS/FEC/PMA Extender Clauses
 - John DeAndrea - 400 GbE PCS/PMA Clauses
 - Task force web and reflector information
 - Reflector: <http://www.ieee802.org/3/ct/reflector.html>
 - Home page: <http://www.ieee802.org/3/ct/index.html>
 - Project Documentation –
 - PAR : http://www.ieee802.org/3/ct/P802_3ct_PAR.pdf
 - CSD: <https://mentor.ieee.org/802-ec/dcn/18/ec-18-0249-00-ACSD-p802-3ct.pdf>
 - Objectives: http://www.ieee802.org/3/ct/3ct_Objectives_190212.pdf
 - Timeline: http://www.ieee802.org/3/ct/timeline_3ct_190119.pdf
 - Ad Hoc page: <http://www.ieee802.org/3/ct/public/adhoc/index.html>

Attendance

- Tutorial Material on attendance tool
 - http://ieee802.org/3/minutes/attendance_procedures.pdf
- Attendance books
 - Keeps track of attendance in room
 - Used to support requests to verify attendance by chair if IMAT not used.

Instructions for the WG Chair

The IEEE-SA strongly recommends that at each WG meeting the chair or a designee:

- **Show slides #1 through #4 of this presentation**
- **Advise the WG attendees that:**
 - IEEE's patent policy is described in Clause 6 of the *IEEE-SA Standards Board Bylaws*;
 - Early identification of patent claims which may be essential for the use of standards under development is strongly encouraged;
 - There may be Essential Patent Claims of which IEEE is not aware. Additionally, neither IEEE, the WG, nor the WG Chair can ensure the accuracy or completeness of any assurance or whether any such assurance is, in fact, of a Patent Claim that is essential for the use of the standard under development.
- **Instruct the WG Secretary to record in the minutes of the relevant WG meeting:**
 - That the foregoing information was provided and that slides 1 through 4 (and this slide 0, if applicable) were shown;
 - That the chair or designee provided an opportunity for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) of which the participant is personally aware and that may be essential for the use of that standard
 - Any responses that were given, specifically the patent claim(s)/patent application claim(s) and/or the holder of the patent claim(s)/patent application claim(s) that were identified (if any) and by whom.
- The WG Chair shall ensure that a request is made to any identified holders of potential essential patent claim(s) to complete and submit a Letter of Assurance.
- It is recommended that the WG Chair review the guidance in *IEEE-SA Standards Board Operations Manual* 6.3.5 and in FAQs 14 and 15 on inclusion of potential Essential Patent Claims by incorporation or by reference.

Note: **WG** includes Working Groups, Task Groups, and other standards-developing committees with a PAR approved by the IEEE-SA Standards Board.

Participants have a duty to inform the IEEE

- Participants shall inform the IEEE (or cause the IEEE to be informed) of the identity of each holder of any potential Essential Patent Claims of which they are personally aware if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents
- Participants should inform the IEEE (or cause the IEEE to be informed) of the identity of any other holders of potential Essential Patent Claims

Early identification of holders of potential Essential Patent Claims is encouraged

Ways to inform IEEE

- **Cause an LOA to be submitted to the IEEE-SA (patcom@ieee.org); or**
- **Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or**
- **Speak up now and respond to this Call for Potentially Essential Patents**

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair

Other guidelines for IEEE WG meetings

- **All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.**
 - **Don't discuss the interpretation, validity, or essentiality of patents/patent claims.**
 - **Don't discuss specific license rates, terms, or conditions.**
 - Relative costs of different technical approaches that include relative costs of patent licensing terms may be discussed in standards development meetings.
 - **Technical considerations remain the primary focus**
 - **Don't discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.**
 - **Don't discuss the status or substance of ongoing or threatened litigation.**
 - **Don't be silent if inappropriate topics are discussed ... do formally object.**

For more details, see *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and *Antitrust and Competition Policy: What You Need to Know* at <http://standards.ieee.org/develop/policies/antitrust.pdf>

Patent-related information

The patent policy and the procedures used to execute that policy are documented in the:

- *IEEE-SA Standards Board Bylaws*
(<http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#6>)
- *IEEE-SA Standards Board Operations Manual*
(<http://standards.ieee.org/develop/policies/opman/sect6.html#6.3>)

Material about the patent policy is available at
<http://standards.ieee.org/about/sasb/patcom/materials.html>

**If you have questions, contact the IEEE-SA
Standards Board Patent Committee Administrator
at patcom@ieee.org**

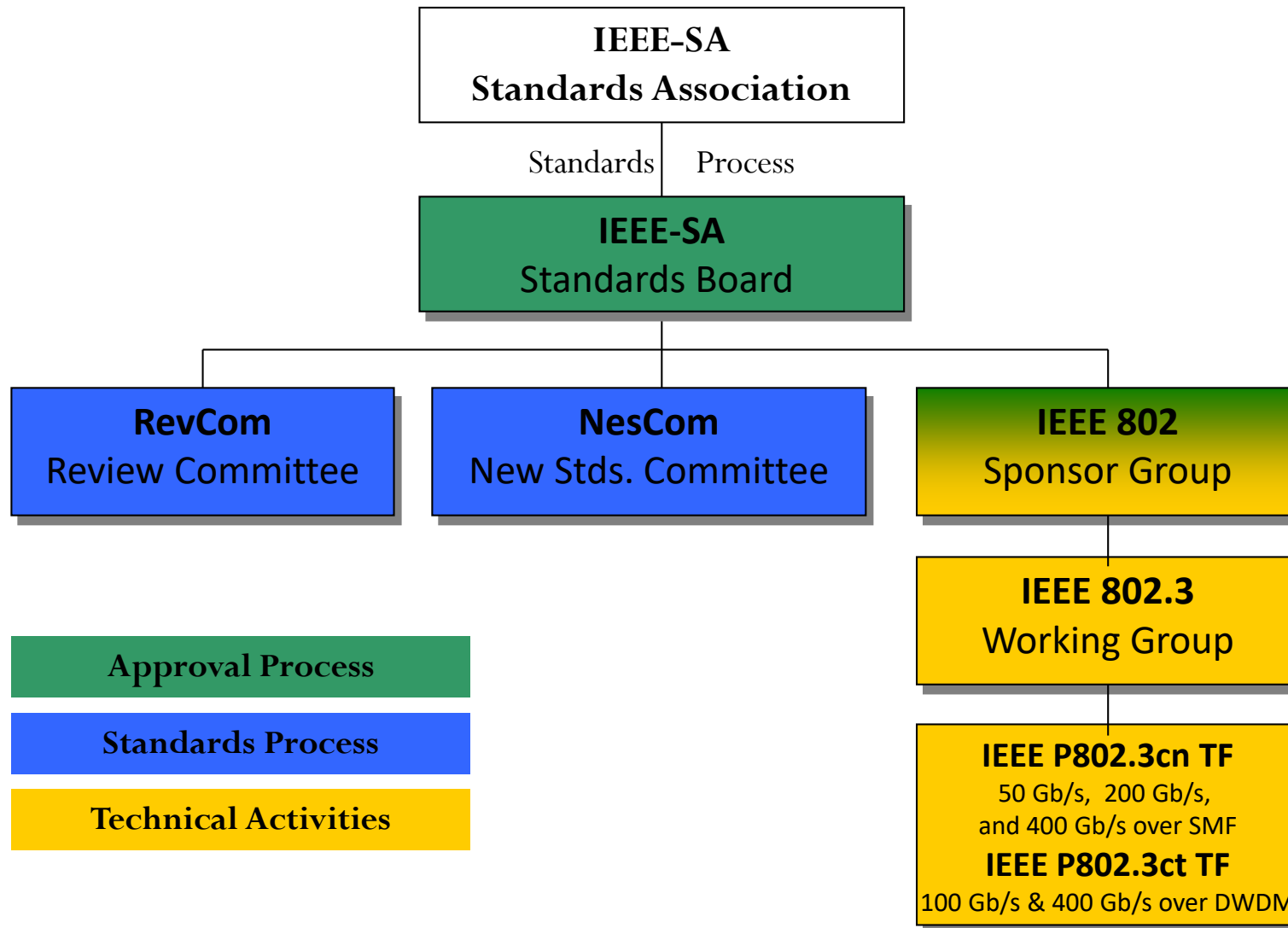
Ground Rules

- Based upon IEEE 802.3 Rules
 - Foundation based upon Robert's Rules of Order
 - Anyone in the room may speak
 - Anyone in the room may vote
- RESPECT... give it, get it
- NO product pitches
- NO corporate pitches
- NO prices!!!
 - This includes costs, ASPs, etc. no matter what the currency
- NO restrictive notices

The Role of the Chair

- Per the IEEE 802.3 Ethernet WG Operations Manual (http://www.ieee802.org/3/rules/P802_3_rules.pdf)
 - The operation of the TF has to be balanced between democratic procedures that reflect the desires of the TF members and the TF Chair's responsibility to produce a draft standard, recommended practice, or guideline in a reasonable amount of time for review and approval by the WG. Robert's Rules of Order shall be used in combination with these operating rules to achieve this balance.
 - The full responsibilities of the chair are specified in 3.4.3 Task Force Chair's Responsibilities.
- Reminders –
 - We are a contribution driven organization. It should not be assumed by anyone that work will just get done without contributions to drive it. Areas not moving forward will be brought to the attention of the respective Task Force for consideration on how to address.
 - Individual standards activities within the WG are, at the discretion of the WG, carried out by Task Forces (TF) operating under, and reporting to, the WG.

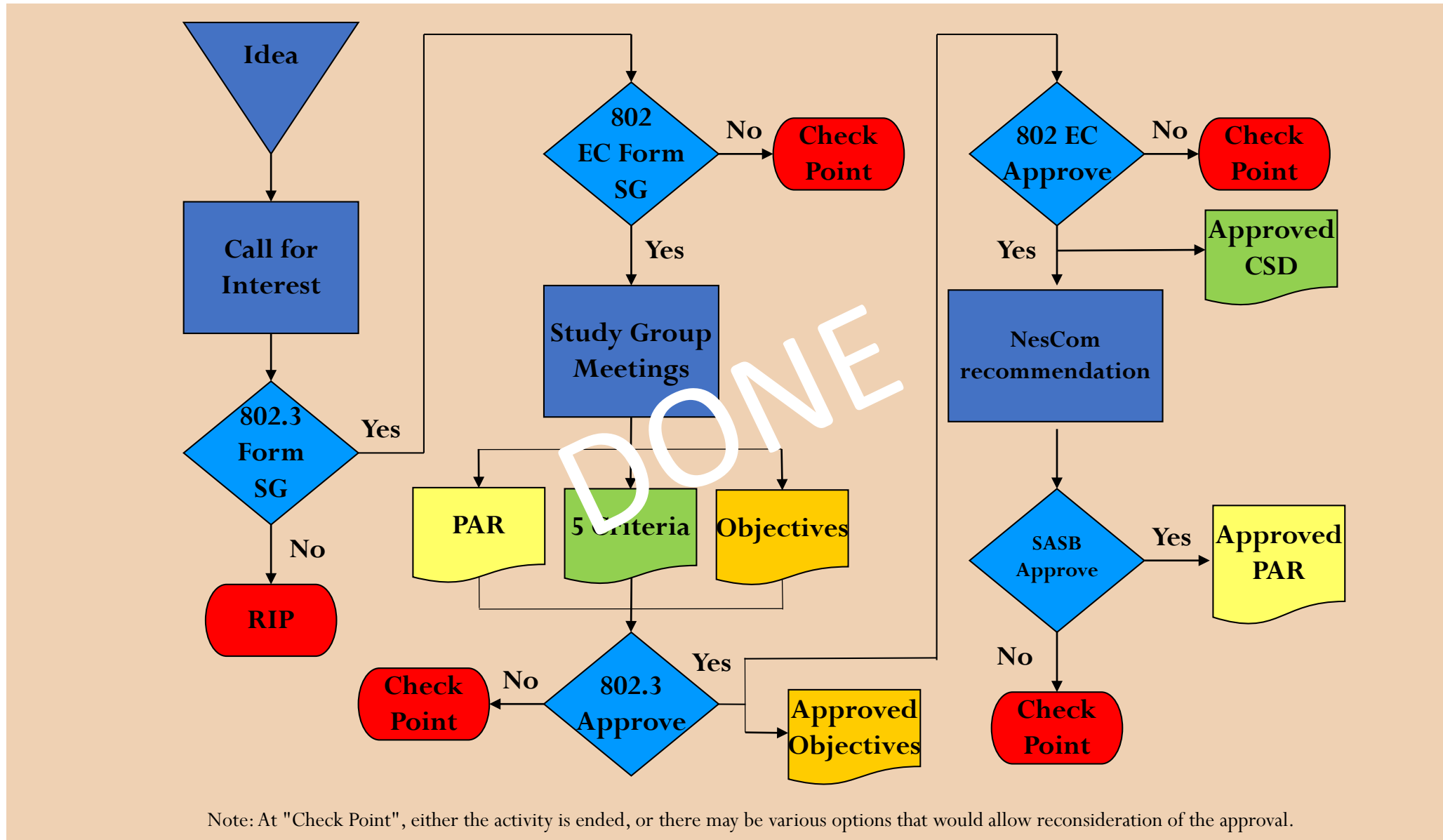
IEEE Structure



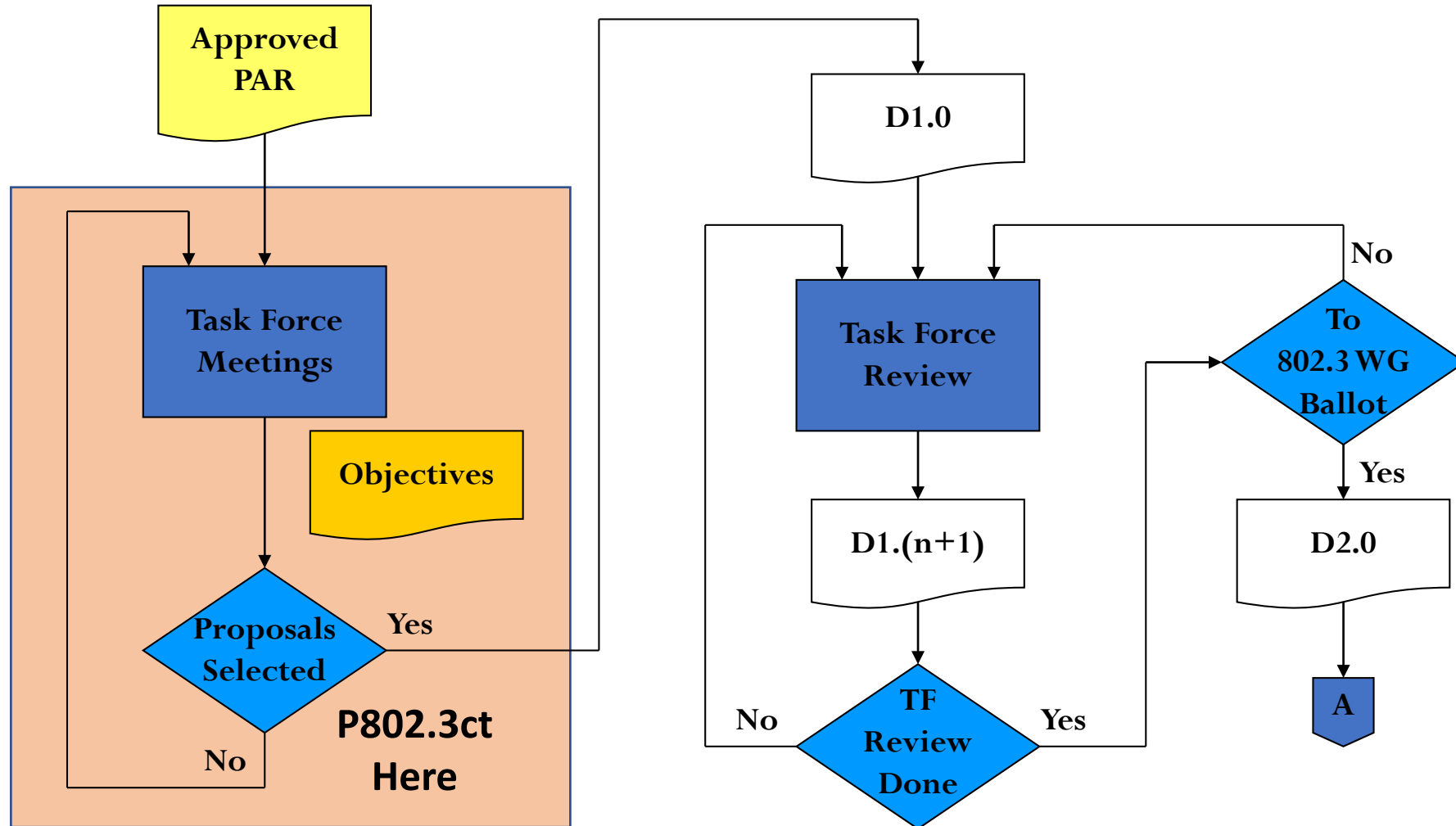
Important Bylaws, Rules, and References

- **IEEE-SA Operations Manual**
http://standards.ieee.org/develop/policies/sa_opman/
- **IEEE-SA Standards Board Bylaws**
<http://standards.ieee.org/develop/policies/bylaws/>
- **IEEE-SA Standards Board Operations Manual**
<http://standards.ieee.org/develop/policies/opman/>
- **IEEE 802 LAN/MAN Standards Committee (LMSC) Policies and Procedures**
<https://ieee.app.box.com/v/PandP-LMSC>
- **IEEE 802 LAN/MAN Standards Committee (LMSC) Operations Manual**
<http://www.ieee802.org/devdocs.shtml>
- **IEEE 802 LAN/MAN Standards Committee (LMSC) Working Group (WG) Policies and Procedures**
<http://www.ieee802.org/devdocs.shtml>
- **IEEE 802.3 Working Group Operating Rules**
http://ieee802.org/3/rules/P802_3_rules.pdf
- **“Promoting Competition and Innovation: What You Need to Know about the IEEE Standards Association's Antitrust and Competition Policy”**
<http://standards.ieee.org/develop/policies/antitrust.pdf>

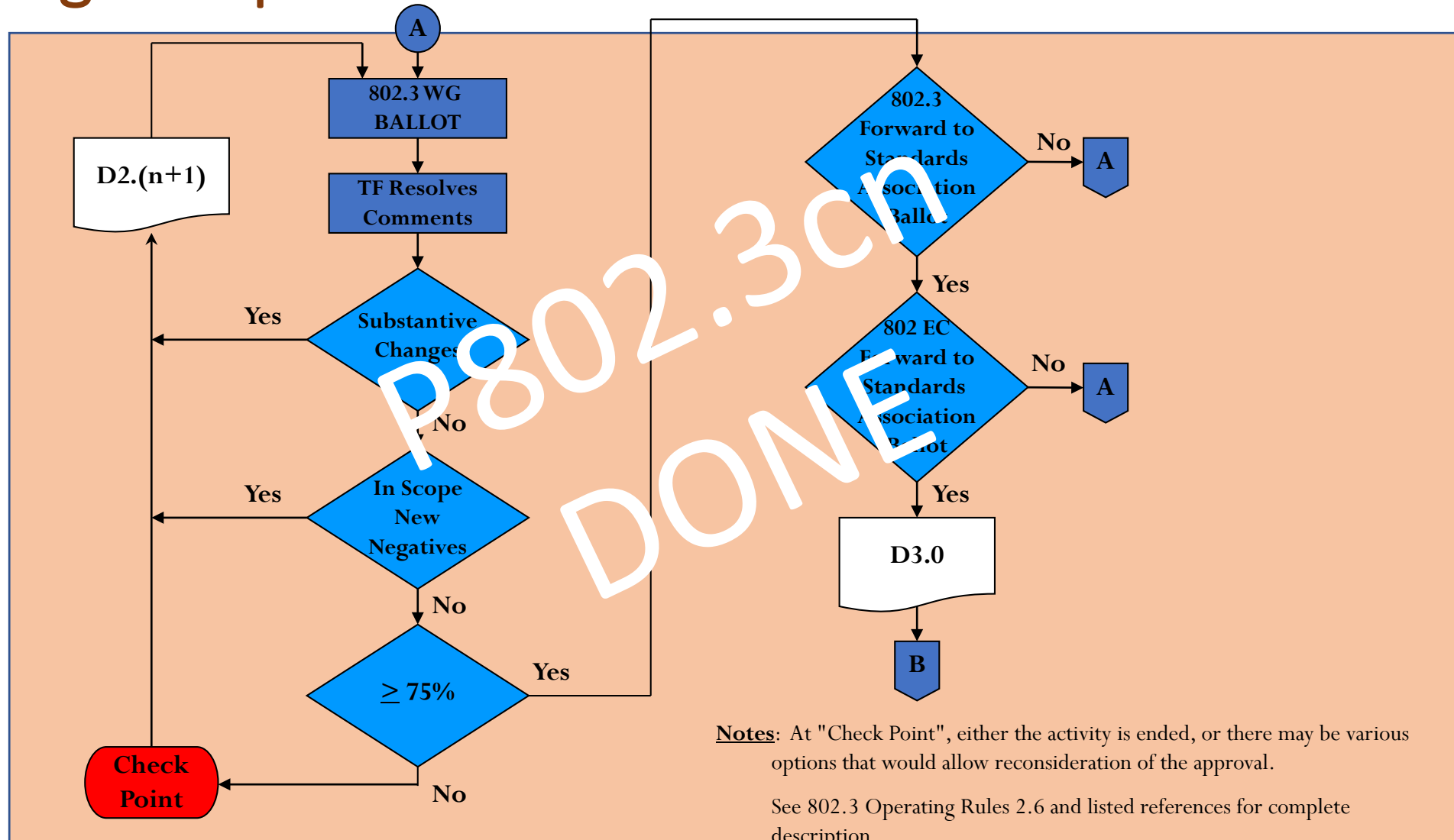
Overview of IEEE 802.3 Standards Process (1/5)- Study Group Phase



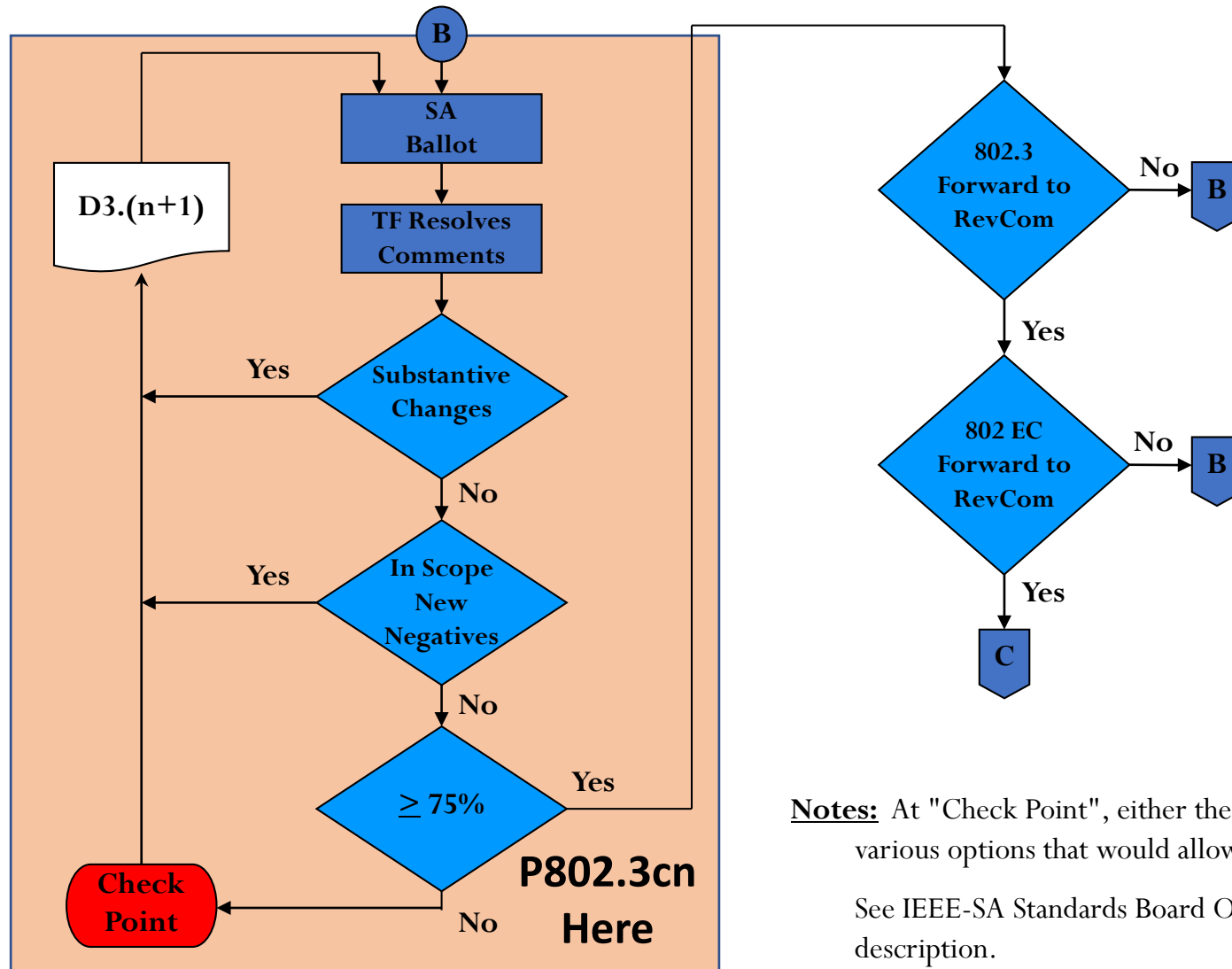
Overview of IEEE 802.3 Standards Process (2/5) – Task Force Comment Phase



Overview of IEEE 802.3 Standards Process (3/5) – Working Group Ballot Phase



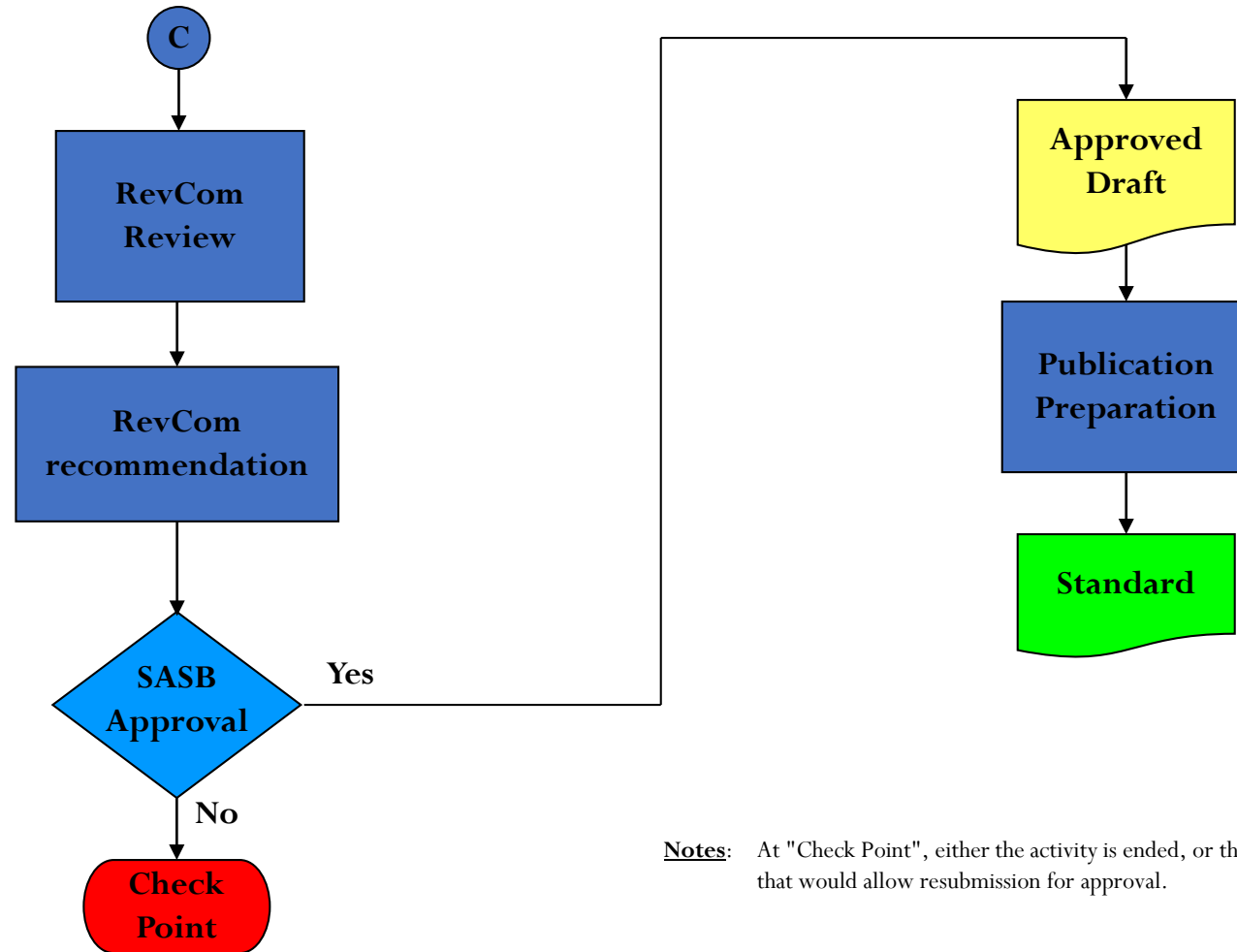
Overview of IEEE 802.3 Standards Process (4/5)- Sponsor Ballot Phase



Notes: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

See IEEE-SA Standards Board Operation Manual 5.4 for complete description.

Overview of IEEE 802.3 Standards Process (5/5) – Final Approvals / Standard Release



Notes: At "Check Point", either the activity is ended, or there may be various options that would allow resubmission for approval.

Goals for the Week

- Joint P802.3cn / P802.3ct Task Force Meeting
 - Consider comments submitted against IEEE P802.3cn D3.1
 - Consider submission IEEE P802.3cn to RevCom
 - Resolve Grid Issues
 - End Frequencies
 - 75 GHz / 100 GHz Grid for 400GbE
 - Resolve splitting IEEE P802.3ct Project
 - Forward 100 GbE Draft to Task Force Comment Review
 - Motions & Closing Business

IEEE P802.3cn D3.1 SA Recirculation Ballot Summary

- 88 Voters
 - 77 Approve
 - 1 Disapprove
 - 4 Abstain
 - 82 Ballots returned
-
- 93% Response Rate (> 50% required)
 - 4% Abstain Rate (< 30% required)
 - 98% Approval Rate (\geq 75% required)
-
- Thanks to everyone!

Liaisons and Communications

- OIF – Progress on OIF 400ZR Project

[OIF to IEEE 802.3 regarding progress on OIF 400ZR project Attachment](#) (Password protected)

Schedule - Joint Task Force

<u>Tues</u>	<u>10-Sep-19</u>	<u>Joint</u>			
Time	Presenter	Affiliation	Title	File Name	Duration
9:00 AM	John D'Ambrosia	Futurewei, U.S. Subsidiary of Huawei	Agenda and General Information	agenda_3cnct_0919	0:35
9:35 AM	Pete Anslow	Ciena	P802.3cn Chief Editor's Opening Report	anslow_3cn_01_0919	0:15
9:50 AM	P802.3cn Consideration of comments submitted against D2.0				0:15
10:05 AM	Break				0:15
10:20 AM	Tom Issenhuth	Huawei	P802.3ct Chief Editor's Report	issenhuth_3ct_01_0919	1:00
11:20 AM	Matt Schmitt	CableLabs	Manufacturer Input on Frequency Range	schmitt_3ct_01_0919.pdf	0:30
12:00 PM	Break				1:00
1:00 PM	John DeAndrea	Finisar	Data in support of 64 channel 400G Base ZR Links	deandrea_3ct_01_0919.pdf	0:30
1:30 PM	John DeAndrea	Finisar	Impact of channel count of PMD Clause 154 on black link design and volume manufacturing	deandrea_3ct_02_0919.pdf	0:30
2:00 PM	John DeAndrea	Finisar	Impact of 75 GHz filters on 400BASE-ZR black link, 80 km requirement	deandrea_3ct_03_0919.pdf	0:30
2:30 PM	Liang Du	Google	75-GHz spacing for 400G Ethernet over DWDM for DCI	du_3ct_01_0919.pdf	0:30
3:00 PM	Break				0:20
3:20 PM	John D'Ambrosia	Futurewei, U.S. Subsidiary of Huawei	Update: Summary Splitting IEEE P802.3ct Project - Proposed Project Documentation Packages	dambrosia_3ct_01_0919.pdf	0:15
3:35 PM	John D'Ambrosia	Futurewei, U.S. Subsidiary of Huawei	Update: Proposed Draft PAR Responses - 100 GbE over DWDM PHY Objectives	dambrosia_3ct_02_0919.pdf	0:15
3:50 PM	John D'Ambrosia	Futurewei, U.S. Subsidiary of Huawei	Update: Proposed CSD Responses: 100 GbE over DWDM Project (IEEE P802.3ct) Objectives	dambrosia_3ct_03_0919.pdf	0:15
4:05 PM	John D'Ambrosia	Futurewei, U.S. Subsidiary of Huawei	Update: Draft PAR Responses: 400 GbE over DWDM PHY Objectives Proposed IEEE 802.3cw Project	dambrosia_3ct_04_0919.pdf	0:15
4:20 PM	John D'Ambrosia	Futurewei, U.S. Subsidiary of Huawei	Update: Proposed CSD Responses: - 400 GbE over DWDM Project (IEEE P802.3cw) Objectives	dambrosia_3ct_05_0919.pdf	0:15
4:35 PM	Discussion & Strawpolls				1:00
5:35 PM	Break for day				
<u>Wed</u>	<u>11-Sep-19</u>	<u>Joint</u>			
Time	Presenter	Affiliation	Title	File Name	Duration
9:00 AM	John D'Ambrosia	Futurewei, U.S. Subsidiary of Huawei	Opening Comments		0:15
9:15 AM	Discussion, Strawpolls, Motions				
10:00 AM	Break				0:20
10:20 AM	Discussion, Strawpolls, Motions				
11:30 AM	Closing Business				
12:00 PM	Adjourn				0:20

Future [F2F] Meetings

See: <http://www.ieee802.org/3/interims/index.html>
for meeting details and additional meetings.

- Nov 2019
 - Week of Nov 11th
 - Hilton Waikoloa Village
 - Waikoloa Village, HI, USA
- Jan 2020
 - Week of Jan 20th
 - Geneva, CH
- Mar 2020
 - Week of March 16th
 - Hilton Atlanta
 - Atlanta, GA, USA
- May 2020
 - Week of May 18th
 - The Westin Pasadena
 - Pasadena, CA, USA
- July 2020
 - Week of July 13th
 - Sheraton Montreal
 - West Montreal, QC, Canada
- Sept 2020
 - Week of Sept 20th
 - Location / Venue TBD
- Nov 2020
 - Week of Nov 9th
 - Bangkok Marriott Marquis Queen's Park
 - Bangkok, Thailand

Future Interim Teleconference Meetings

- 19-Sept-2019, 10:00am to 12:00pm ET
- 26-Sept-2019, 10:00am to 12:00pm ET
- 03-Oct-2019, 10:00am to 12:00pm ET
- 10-Oct-2019, 10:00am to 12:00pm ET
- 17-Oct-2019, 10:00am to 12:00pm ET
- 24-Oct-2019, 10:00am to 12:00pm ET
- 31-Oct-2019, 10:00am to 12:00pm ET
- 07-Nov-2019, 10:00am to 12:00pm ET

IEEE P802.3cn – Contingent Interim Teleconference

24-Sept-2019, 10:00 to 12:00pm ET

This interim and agenda is directed towards considering and responding to any public comments received during the 60-day public review of IEEE P802.3cn draft D3.0 that ends on 18th September 2019.

Please note that this interim teleconference is contingent and may be cancelled if no comments are submitted against the draft or resolution of the number of comments received against the draft would be expected to exceed the two hours allowed for the meeting.

Meeting Registration

Registration for the meeting is required to properly size the teleconference. To register, please send an email to [John D'Ambrosia](#). Registration closes on Thursday, 19 September 2019.

Thank You!